Resource Summary Report

Generated by RRID on Jul 29, 2026

B6.Cg-Tg(Tyr-cre/ERT2)13Bos Braf^{tm1Mmcm} Pten /BosJ

RRID:IMSR_JAX:013590
Type: Organism

Proper Citation

RRID:IMSR_JAX:013590

Organism Information

URL: https://www.jax.org/strain/013590

Proper Citation: RRID:IMSR_JAX:013590

Description: Mus musculus with name B6.Cg-Tg(Tyr-cre/ERT2)13Bos Braf^{tm1Mmcm} Pten /BosJ from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Braf Pten Tg(Tyr-cre/ERT2)13Bos/BosJ

Notes: gene symbol note: transgene insertion 13; Marcus Bosenberg|B-Raf proto-oncogene; serine/threonine kinase|tyrosinase|phosphatase and tensin homolog|; mutant strain|congenic strain: Tg(Tyr-cre/ERT2)13Bos|Braf|Tyr|BRAF|Pten|

Affected Gene: transgene insertion 13; Marcus Bosenberg|B-Raf proto-oncogene; serine/threonine kinase|tyrosinase|phosphatase and tensin homolog|

Genomic Alteration: transgene insertion 13; Marcus Bosenberg|targeted mutation 1; Martin McMahon|targeted mutation 1; Hong Wu

Catalog Number: JAX:013590

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(Tyr-cre/ERT2)13Bos Braf^{tm1Mmcm} Pten/BosJ

Record Creation Time: 20250513T053725+0000

Record Last Update: 20260725T044434+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Tyr-cre/ERT2)13Bos Braf ^{tm1Mmcm} Pten/BosJ.

No alerts have been found for B6.Cg-Tg(Tyr-cre/ERT2)13Bos Braf^{tm1Mmcm} Pten/BosJ.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Zhou Q, et al. (2025) Vorapaxar enhanced mitochondria-associated ferroptosis primes cancer immunotherapy via targeting FOXO1/HMOX1 axis. Cell reports. Medicine, 102371.

Mikheil D, et al. (2023) Notch Signaling Suppresses Melanoma Tumor Development in BRAF/Pten Mice. Cancers, 15(2).

Arumi-Planas M, et al. (2023) Microenvironmental Snail1-induced immunosuppression promotes melanoma growth. Oncogene, 42(36), 2659.

Meiser P, et al. (2023) A distinct stimulatory cDC1 subpopulation amplifies CD8+ T cell responses in tumors for protective anti-cancer immunity. Cancer cell, 41(8), 1498.

Adaku N, et al. (2023) Apolipoprotein E2 Stimulates Protein Synthesis and Promotes Melanoma Progression and Metastasis. Cancer research, 83(18), 3013.

Reticker-Flynn NE, et al. (2022) Lymph node colonization induces tumor-immune tolerance to promote distant metastasis. Cell, 185(11), 1924.

Mu W, et al. (2021) Hypothalamic Rax+ tanycytes contribute to tissue repair and tumorigenesis upon oncogene activation in mice. Nature communications, 12(1), 2288.

DeVito NC, et al. (2021) Pharmacological Wnt ligand inhibition overcomes key tumor-mediated resistance pathways to anti-PD-1 immunotherapy. Cell reports, 35(5), 109071.

Le HH, et al. (2021) Molecular modelling of the FOXO4-TP53 interaction to design senolytic peptides for the elimination of senescent cancer cells. EBioMedicine, 73, 103646.

Vitiello M, et al. (2019) Antitumoral effects of attenuated Listeria monocytogenes in a genetically engineered mouse model of melanoma. Oncogene, 38(19), 3756.

Millar MW, et al. (2018) The Adhesion G-Protein-Coupled Receptor, GPR56/ADGRG1, Inhibits Cell-Extracellular Matrix Signaling to Prevent Metastatic Melanoma Growth. Frontiers in oncology, 8, 8.

Zhao F, et al. (2018) Stromal Fibroblasts Mediate Anti-PD-1 Resistance via MMP-9 and Dictate TGF? Inhibitor Sequencing in Melanoma. Cancer immunology research, 6(12), 1459.

Chen S, et al. (2017) Palmitoylation-dependent activation of MC1R prevents melanomagenesis. Nature, 549(7672), 399.

Spitzer MH, et al. (2017) Systemic Immunity Is Required for Effective Cancer Immunotherapy. Cell, 168(3), 487.

Riedel A, et al. (2016) Tumor-induced stromal reprogramming drives lymph node transformation. Nature immunology, 17(9), 1118.